

Network Working Group
Request for Comments #145
NIC #6739
Category: D.1
Updates: #123
Obsoletes: #127

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4 May 1971
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Initial Connection Protocol Control Commands

The following is my interpretation of the exchange between NCP's which would be necessary to carry out the Initial Connection Protocol of RFC #123. (This note corrects an error pointed out by Eric Harslem of RAND)

Server NCP

Listen for Connection on L

STR, L, U, 32

Send 32 bits of data
in 1 message on link ℓ_A

(value is S)

CLS, L, U
STR, S+1, $\textcircled{U+1}$, B_S

RTS, S, U+1, ℓ_B

wait for connection

ALL, ℓ_B , m_B , b_B

data sent on link ℓ_C

data received on link ℓ_B

User NCP

RTS, U, L, ℓ_A

ALL, ℓ_A , 1, 32

Receive 32 bits of data
from link ℓ_A (value is S)

CLS, U, L

STR, U+1, S, B_U

RTS, U, S+1, ℓ_C

wait for connection

ALL, ℓ_C , m_C , b_C

data sent on link ℓ_B

data received on link ℓ_C

ℓ_A , ℓ_B , and ℓ_C are links, m_B and m_C are message allocations, b_B and b_C are bit allocations, and all other symbols are as defined in RFC #123.